


INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN03/00706

A. CLASSIFICATION OF SUBJECT MATTER		
IPC ⁷ F25D 16/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC ⁷ F25D 16/00, 11/00, 11/02, 11/04, 13/00, 13/02, 13/04, 17/00, 17/04, 17/06, 17/08		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO, A1, 0231418 (SHARP KK) 18. Apr 2002 (18.04.02) whole document	1-13
A	US, A, 4563881 (Bucher) 14. Jan 1986 (14.01.86) whole document	1-13
A	US, A, 6148634 (Sherwood) 21. Nov 2000 (21.11.00) whole document	1-13
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search 01. Dec 2003 (01.12.03)		Date of mailing of the international search report 18 DEC 2003 01.12.03
Name and mailing address of the ISA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China Facsimile No. 86-10-62019451		Authorized officer  Telephone No. 86-10-62084759

Form PCT/ISA /210 (second sheet) (July 1998)

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN03/00706

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US, A, 5277035 (Fristoe et al) 11. Jan 1994 (11.01.94) whole document	1-13

Form PCT/ISA /210 (continuation of second sheet (1)) (July 1998)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN03/00706

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO, A1, 0231418	18. Apr 2002	JP, A, 2002107075	10. Apr 2002
US, A, 4563881	14. Jan 1986	EP, A, 0136458	10. Apr 1985
		EP, B, 0136458	20. Jan 1988
		CH, A, 664004	29. Jan 1988
		DE, G, 3468935	25. Feb 1988
US, A, 6148634	21. Nov 2000	JP, T, 2002543363	17. Dec 2002
		WO, A1, 0065287	02. Nov 2000
		AU, A, 5564099	10. Nov 2000
		BR, A, 9917272	15. Jan 2002
		EP, A1, 1173716	23. Jan 2002
		KR, A, 2001112461	20. Dec 2001
US, A, 5277035	11. Jan 1994	CA, A, 2120181	01. Oct 1994
		CA, C, 2120181	22. Jun 1999

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国际检索报告

国际申请号

PCT/CN03/00706

A. 主题的分类

IPC⁷ F25D 16/00

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

B. 检索领域

检索的最低限度文献(标明分类体系和分类号)

IPC⁷ F25D 16/00, 11/00, 11/02, 11/04, 13/00, 13/02, 13/04, 17/00, 17/04, 17/06, 17/08

包含在检索领域中的除最低限度文献以外的检索文献

在国际检索时查阅的电子数据库(数据库的名称和, 如果实际可行的, 使用的检索词)

C. 相关文件

类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求编号
A	WO, A1, 0231418 (SHARP KK) 18.4 月 2002 (18.04.02) 全文	1-13
A	US, A, 4563881 (Bucher) 14.1 月 1986 (14.01.86) 全文	1-13
A	US, A, 6148634 (Sherwood) 21.11 月 2000 (21.11.00) 全文	1-13
A	US, A, 5277035 (Fristoe et al) 11.1 月 1994 (11.01.94) 全文	1-13

☐ 其余文件在 C 栏的续页中列出。☒ 见同族专利附件。

* 引用文件的专用类型:

“A” 明确叙述了被认为不是特别相关的一般现有技术的文件

“E” 在国际申请日的当天或之后公布的在先的申请或专利

“L” 可能引起对优先权要求的怀疑的文件, 为确定另一篇引用文件的公布日而引用的或者因其他特殊理由而引用的文件

“O” 涉及口头公开、使用、展览或其他方式公开的文件

“P” 公布日先于国际申请日但迟于所要求的优先权日的文件

“T” 在申请日或优先权日之后公布的在后文件, 它与申请不相抵触, 但是引用它是为了理解构成发明基础的理论或原理

“X” 特别相关的文件, 仅仅考虑该文件, 权利要求所记载的发明就不能认为是新颖的或不能认为是有创造性

“Y” 特别相关的文件, 当该文件与另一篇或者多篇该类文件结合并且这种结合对于本领域技术人员为显而易见时, 权利要求记载的发明不具有创造性

“&” 同族专利成员的文件

国际检索实际完成的日期

01.12 月 2003 (01.12.03)

国际检索报告邮寄日期

18.12月 2003 (18.12.03)

国际检索单位名称和邮寄地址

ISA/CN

中国北京市海淀区西土城路 6 号(100088)

传真号: 86-10-62019451

受权官员



电话号码: 86-10-62084759

PCT/ISA/210 表(第 2 页)(1998 年 7 月)

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国际检索报告
关于同族专利成员的情报

国际申请号
PCT/CN03/00706

检索报告中引用的 专利文件	公布日期	同族专利成员	公布日期
WO, A1, 0231418	18. 4 月 2002	JP, A, 2002107075	10. 4 月 2002
US, A, 4563881	14. 1 月 1986	EP, A, 0136458	10. 4 月 1985
		EP, B, 0136458	20. 1 月 1988
		CH, A, 664004	29. 1 月 1988
		DE, G, 3468935	25. 2 月 1988
US, A, 6148634	21. 11 月 2000	JP, T, 2002543363	17. 12 月 2002
		WO, A1, 0065287	02. 11 月 2000
		AU, A, 5564099	10. 11 月 2000
		BR, A, 9917272	15. 1 月 2002
		EP, A1, 1173716	23. 1 月 2002
		KR, A, 2001112461	20. 12 月 2001
US, A, 5277035	11. 1 月 1994	CA, A, 2120181	01. 10 月 1994
		CA, C, 2120181	22. 6 月 1999

PCT/ISA/210 表(同族专利附件)(1998 年 7 月)

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